

In the Specification

Paragraph [0024] has been amended as follows:

[0024] In yet another aspect, the invention is directed to a method of forming a ceramic micro well plate. The method includes providing a first ceramic greensheet and then forming a first plurality of vertical openings in the first ceramic greensheet. Each of these plurality of vertical openings in the first ceramic greensheet are reaction chambers of the micro well plate. A second ceramic greensheet is then provided, and a second plurality of vertical openings formed therein. The first plurality of vertical openings in the first ceramic greensheets are then aligned with the second plurality of vertical openings in the ~~first~~second ceramic greensheet. Once aligned, an optically effective material is deposited into the second plurality of vertical openings in the second ceramic greensheet to form a plurality of optical micro plugs, whereby the optical micro plugs allow viewing of the reaction chambers of the micro well plate. Optionally, a third ceramic greensheet may be provided, and a plurality of horizontal openings formed therein. This third ceramic greensheet is positioned between the first and second ceramic greensheets such that selected ones of the plurality of horizontal openings connect selected ones of the first plurality of vertical openings, while the optical micro plugs are aligned with the first plurality of vertical openings being the reaction chambers.

Paragraph [0048] has been amended as follows:

[0048] For example, the optical micro plugs 50 may be lenses for integrating the individual micro well reaction chamber openings to macro instrumentation for magnification purposes, or supplying a light or thermal energy to such reaction chambers. Optical micro plug lenses may be formed by providing a desired material capable of forming a lens, such as, but not limited to, glass powder, glass frit, organics that can form lens material (such as, polycarbonate resin) or combinations thereof, and optionally mixing such materials with removable

binders, if necessary. These materials may be provided as pastes which can be screened into the micro openings. Once screened therein, surfaces of the paste are shaped into desired lens pattern (s) by known molding techniques, and then a solid lens is formed by curing or densifying to desired characteristics respectively by known arts such as thermal or UV treatment, or sintering. The optical micro plug lenses may be formed after the formation of ~~glass~~glass plugs, such as by depositing a plastic or low melting glass on top of the individual plugs 50, or alternatively, by coating the entire exposed surface of greensheet layer 18 with a plastic or low melting glass such that the plugs 50 are at least provided with such materials for formation of the lenses.